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USSR

Economic - Fuels, petroleum, Dnepr-Donets, geology

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

CEA-tr-A-1291 Uncl.

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26p. 92 03630

Chemistry; Translations MC-4

C-4 NP NSA Dep.(mc); $2.60(fs), $0.98(mf)
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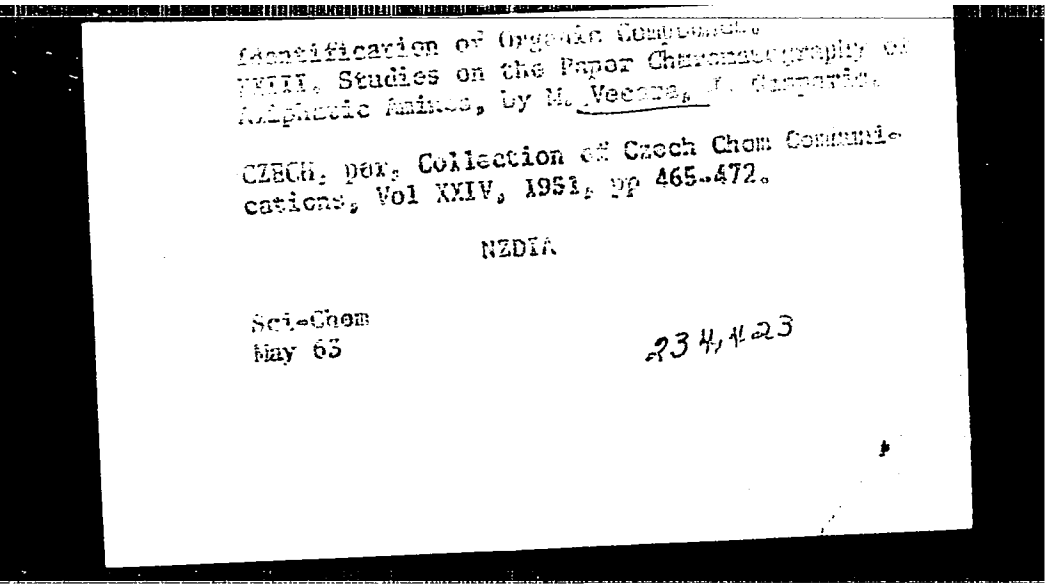

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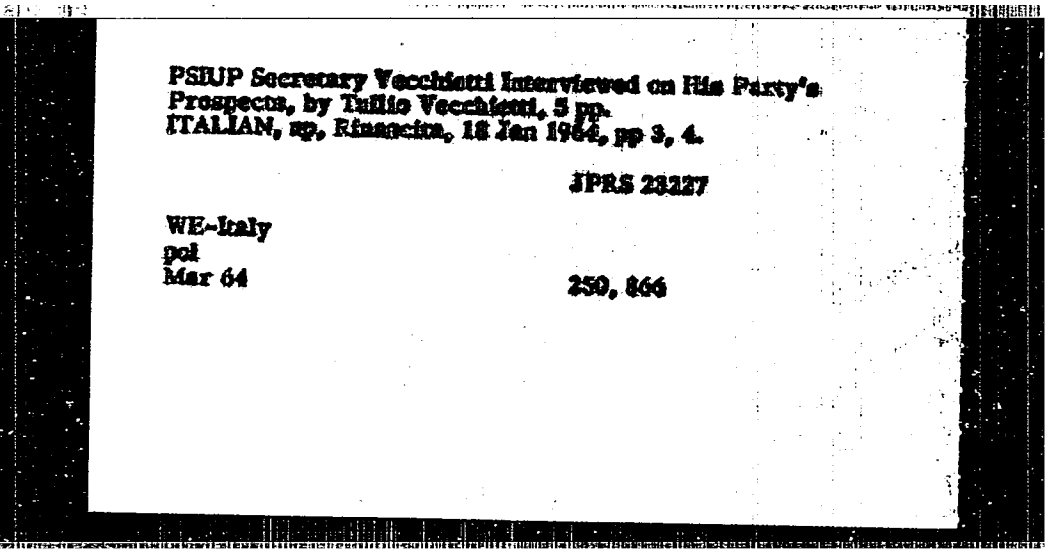

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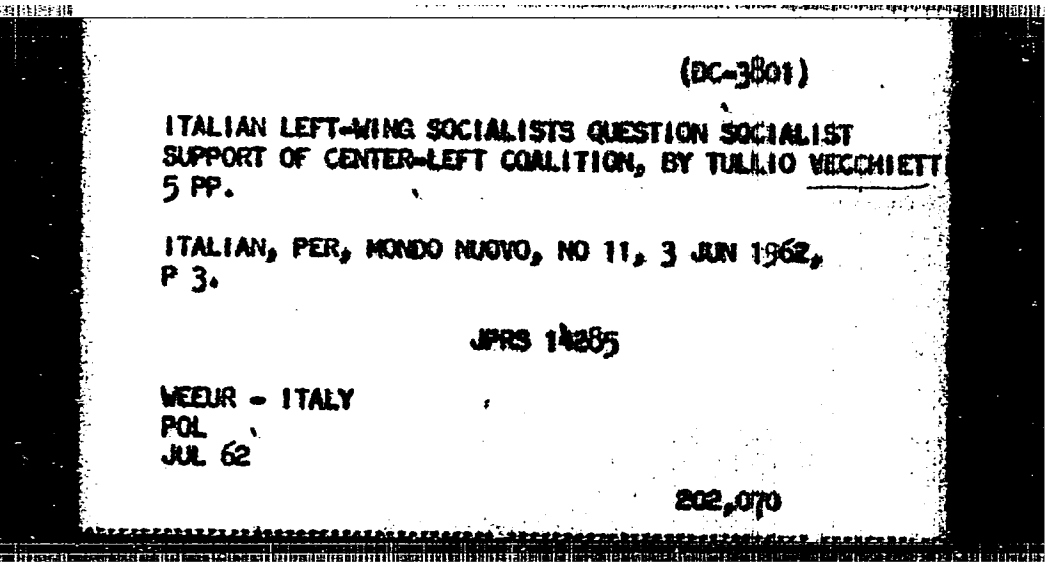

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ITALIAN LEFT-WING SOCIALISTS QUESTION SOCIALIST SUPPORT OF CENTER-LEFT COALITION, BY TULLIO VECCHIETT
5 PP.

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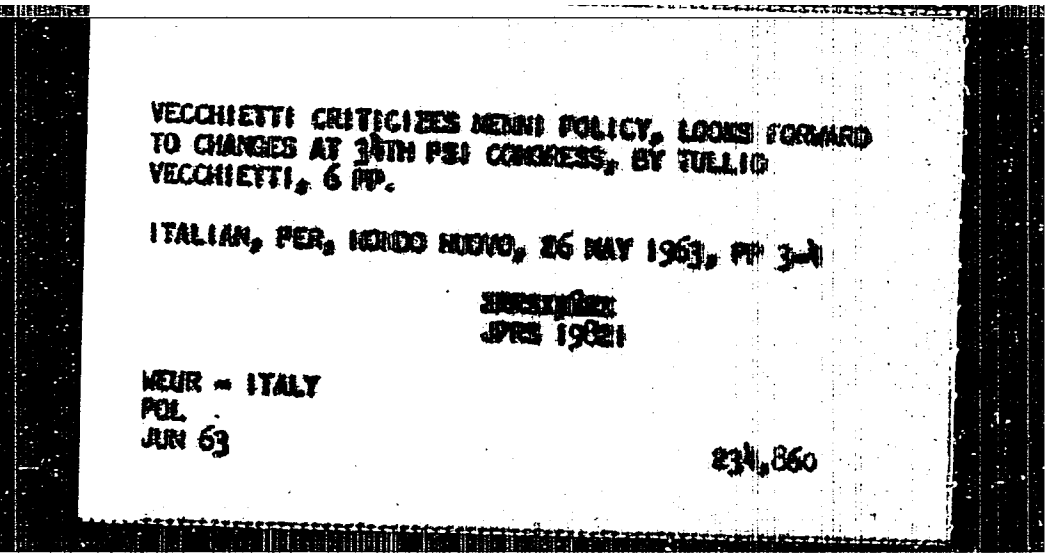

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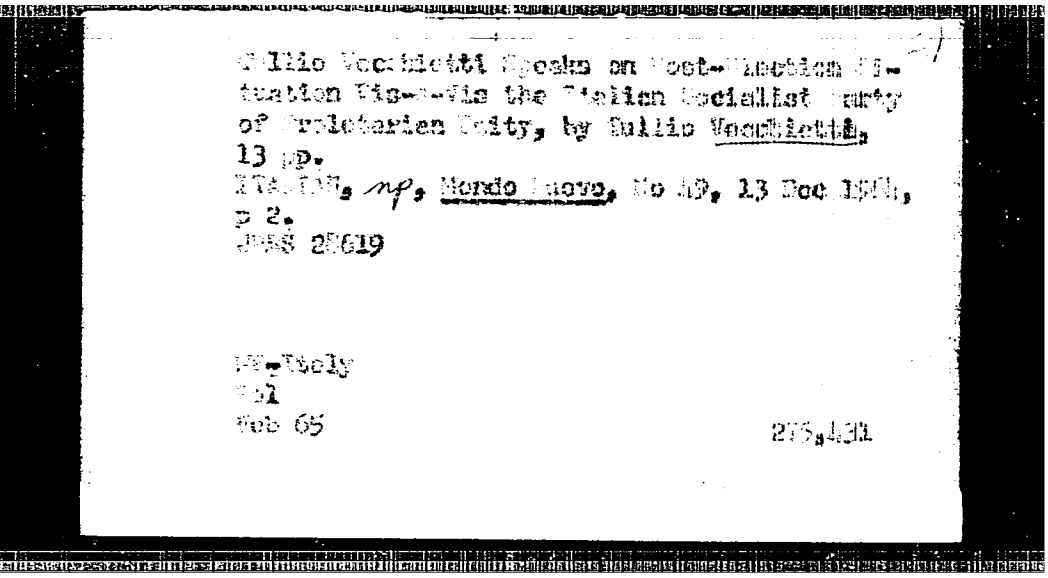

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ITALIAN, PER, MONDO NUOVO, NO L8, 28 OCT 1962, P 5.

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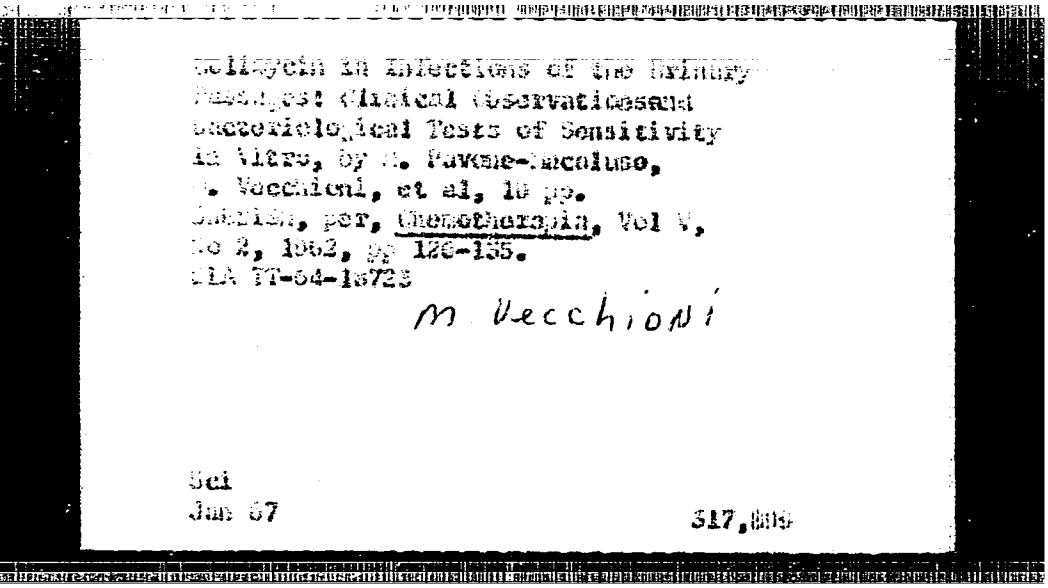

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M. Vecchioni, et al, 10 pp.
Italian, per, Chemotherapia, Vol V,
No 2, 1962, pp 126-135.
CIA TT-64-16725

M Vecchioni

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Order from SLA $1.10 TT-64-10712

Trans. of Mikrochim[ica] Acta (Austria) 1962 [no. 5] p. 891-895.

(See also TT-63-20981)

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-10712

I. Vecera, M.
II. Title: Semiautomatic ...

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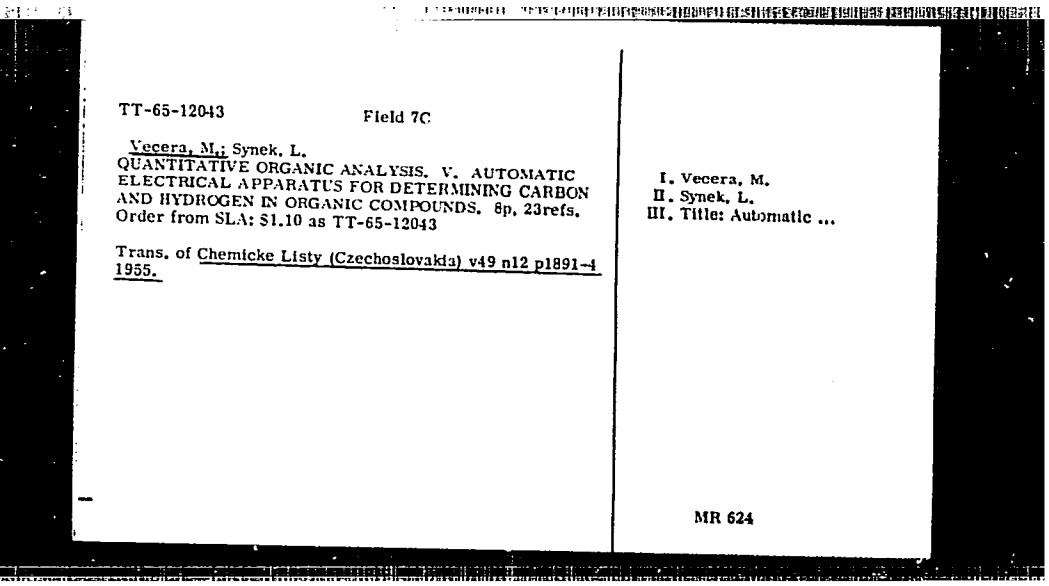

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Order from SLA: $1.10 as TT-65-12043

Trans. of Chemicke Listy (Czechoslovakia) v49 n12 p1891-4 1955.

I. Vecera, M.
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III. Title: Automatic ...

MR 624

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QUANTITATIVE ORGANIC ANALYSIS. XXIX. AN AUTOMATIC METHOD FOR THE MICRODETERMINATION OF CARBON, HYDROGEN, AND NITROGEN IN ORGANIC SUBSTANCES. 9 Sep 63, 6p 7refs
Order from SLA $1.10 TT-63-20604

Trans. of Talanta (Gt. Brit.) 1961, v. 8 [no. 6] p. 446-449. (Abstract available)

DESCRIPTORS: *Carbon, *Hydrogen, *Nitrogen, *Organic compounds, Microanalysis, Quantitative analysis.

A method for the automatic determination of carbon, hydrogen, and nitrogen in organic compounds is described. The method involves thermal conductivity measurements and uses Co_3O_4 as combustion catalyst. (Author) (See also 63-20603)
(Chemistry--Analytical, TT, v. 11, no. 3)

TT-63-20604

I. Vecera, M.
II. Title: Automatic...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Quantitative Organic Analysis. XXII. New Method for the Rapid Automatic Combustion of Organic Substances: Micro-determination of Carbon and Hydrogen, by M. Vecera, F. Vajtech, L. Synek, 9p.
CZECH, per, Sbornik Chekhoslovatskykh Khimicheskikh Rabot, Vol 25, No 1, 1960, pp 93-100.
ZLA TT-64-30653

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Vecera, M. and Snobl, D.
QUANTITATIVE ORGANIC ANALYSIS. XXV. AN INVESTIGATION OF THE EXTERNAL ABSORPTION OF NITROGEN OXIDES WITH MANGANESE DIOXIDE IN THE DETERMINATION OF CARBON AND HYDROGEN. [1963] [15p] 32refs
Order from SLA $1.60 TT-63-20603

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1960, v. 25, p. 2013-2021. (Abstract available)

DESCRIPTORS: *Hydrogen, *Carbon, *Manganese compounds, Dioxides, *Nitrogen compounds, Oxides, Absorption, Organic compounds, Quantitative analysis, Microanalysis,

It was determined that MnO_2 binds NO_2 with its surface hydroxyl groups, in amounts proportional to its surface area. In accordance with this fact, hydrated $MnO(OH)_2$ gel proved the most suitable for external absorption of
(Chemistry--Analytical, TT, v. 11, no. 3) (over)

TT-63-20603

I. Vecera, M.
II. Snobl, D.
III. Title: Investigation...

Office of Technical Services

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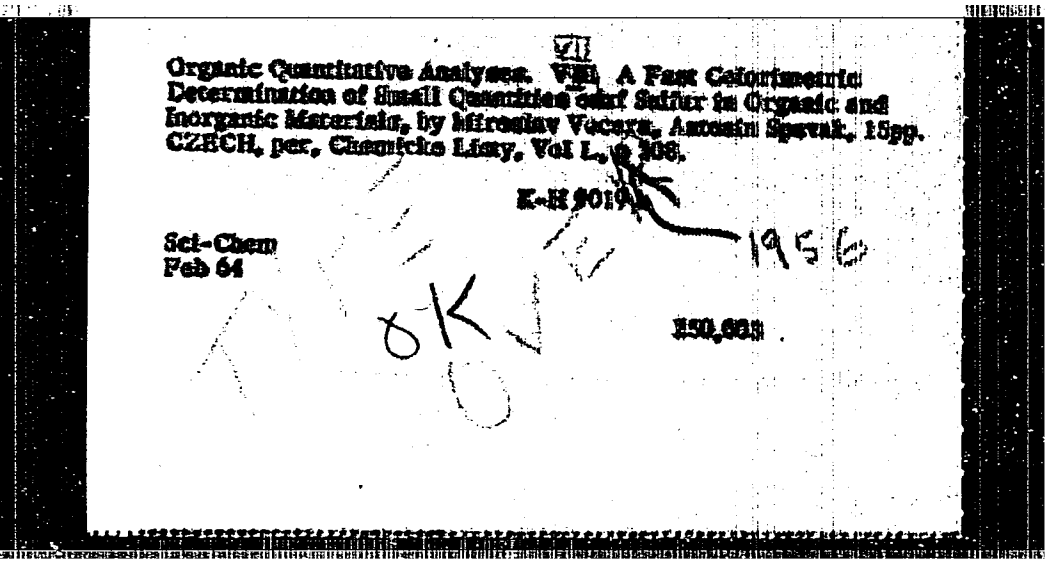
APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00



VII

Organic Quantitative Analyses. VIII. A Fast Colorimetric Determination of Small Quantities of Sulfur in Organic and Inorganic Materials, by Miroslav Vecera, Antonin Spevak, 15pp. CZECH, per, Chemicke Listy, Vol L, p 308.

K-H 9019

1956

Sci-Chem
Feb 64

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Vecera, M.
CATALYTIC RAPID COMBUSTION IN ORGANIC ELEMENTAL ANALYSIS. 21 June 62 [9]p. 16 refs. Order from SLA $1.10 62-20192

Trans. of Acta Chim[ica] (Hungary) 1961, v. 26, p. 511-518.

DESCRIPTORS: *Organic compounds, *Combustion, Catalysts, Chemical analysis.

The existence of vapor surges with an oxygen deficiency is characteristic of rapid combustion in organic elemental analysis. In a catalyst suitable for continuous operation, reduction and oxidation at the surface must be reversible. A detailed study of various types of catalysts showed that Co_3O_4 was the best of the substances tested for rapid combustion. The flash com-

(Chemistry--Analytical, TT, v. 9, no. 9)

62-20192

I. Vecera, M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Vecera, M., Snobl, D., and Synek, L.,
QUANTITATIVE ORGANIC ANALYSIS. XXVII. THE KINETICS AND MECHANISM OF THE CATALYTIC RAPID COMBUSTION IN THE DETERMINATION OF HYDROGEN IN ORGANIC COMPOUNDS. 5 Jul 63 [22p] 12refs
Order from SLA $2.60 TT-63-20981

Trans. of Mikrochim[ica] Acta (Austria) 1961, p. 370-389. (Abstract available)

DESCRIPTORS: *Quantitative analysis, Organic materials, *Carbon, *Hydrogen, Combustion, *Catalysis, Reaction kinetics, *Microanalysis, Automation

A systematic study of the kinetics and mechanism of the combustion and rinsing provided the basis for developing an ultrarapid method for the microdetermination of carbon and hydrogen, which will permit reducing the time required for the analysis to several minutes and making the analytical procedure quite universal and completely automatic. (Author) (See also TT-63-10101)

TT-63-20981

I. Title: Combustion analysis
I. Vecera, M.
II. Snobl, D.
III. Synek, L.
IV. Title: Kinetics...

200602

(Chemistry--Analytical, TT, v. 11, no. 11)
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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Colorimetric Determination of Small Quantities of Hydrazobenzene, by M. Vecera, J. Petranek.

ZKK
CZECH, per, Chemicke Listy, Vol XLVIII, 1954, pp 1351-1353.

CSIRO

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Quantitative Organic Analysis. VIII. Micro-Determination of Sulfur in Organic Compounds. The Formation Mechanism of Silver Sulfate, by M. Vecera, D. Snobl, 11 pp.

RUSSIAN, per, Sbornik Chekhoslovatskhkh Khim Rabot, Vol XXII, 1957, pp 986-993.

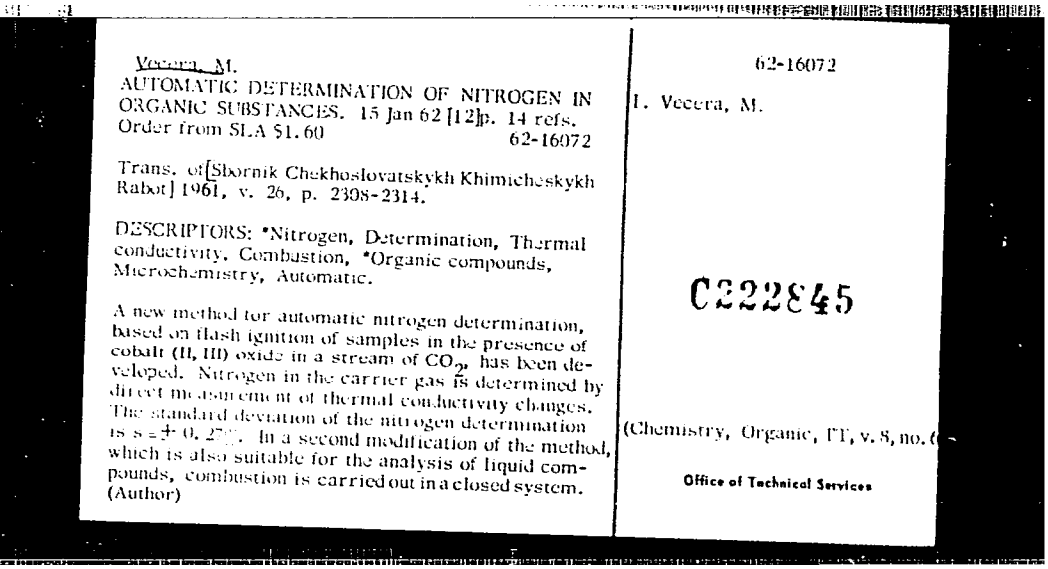
SLA 60-14381

Sci
Mar 62
Vol IV, No 2,

188,896

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00



Vecera, M.
AUTOMATIC DETERMINATION OF NITROGEN IN ORGANIC SUBSTANCES. 15 Jan 62 [12]p. 14 refs.
Order from SLA $1.60
62-16072

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1961, v. 26, p. 2308-2314.

DESCRIPTORS: *Nitrogen, Determination, Thermal conductivity, Combustion, *Organic compounds, Microchemistry, Automatic.

A new method for automatic nitrogen determination, based on flash ignition of samples in the presence of cobalt (II, III) oxide in a stream of CO_2, has been developed. Nitrogen in the carrier gas is determined by direct measurement of thermal conductivity changes. The standard deviation of the nitrogen determination is s = ± 0, 2[illegible]. In a second modification of the method, which is also suitable for the analysis of liquid compounds, combustion is carried out in a closed system. (Author)

62-16072

I. Vecera, M.

C222845

(Chemistry, Organic, TT, v. 8, no. (

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Vecera, M. and Synek, L.
QUANTITATIVE ORGANIC ANALYSIS. XVIII. MICRODETERMINATION OF CARBON AND HYDROGEN, USING COBALTO-COBALTIC OXIDE AS COMBUSTION CATALYST. 1 Nov 62, 16p. 44 refs.
Order from SLA $1.60 63-10102

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1958, v. 23, p. 1202-1211.

DESCRIPTORS: *Quantitative analysis, *Organic compounds, *Microanalysis, *Carbon, *Hydrogen, *Cobalt compounds, *Combustion, Catalysts, *Oxides.

A rapid and simple method for the microdetermination of C & H is described, in which the sample is burned in an oxygen stream in the presence of CO_3O_4. Halogen and sulfur are absorbed by silver, while nitrogen oxides are retained outside the combustion tube by (Chemistry--Analytical, TT, v. 9, no. 10) (over)

63-10102

I. Vecera, M.
II. Synek, L.
III. Title: Microdetermination...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Vecera, M., Snobl, D., and Synek, L.
A FURTHER CONTRIBUTION TO THE SYSTEMATIC STUDY OF THE FUNDAMENTAL OPERATIONS IN ELEMENTAL MICROANALYSIS. Preliminary Communication; Pt. 24 of Quantitative Organic Analysis. 18 June 62 [6]p. 27 refs.
Order from SLA $ .10 62-18995

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1960, v. 25, p. 281-282.

DESCRIPTORS: *Organic compounds, Catalysts, Combustion, *Quantitative analysis, Microanalysis.

(Chemistry--Analytical, TT, v. 9, no. 8)

62-18995

I. Vecera, M.
II. Snobl, D.
III. Synek, L.
IV. Title: Quantitative. . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Microdetermination of Sulfur in Organic Substances, by M. Vecera, 5 pp.

Vecera

CZECH, per, Chem Listy, Vol XLVIII, 1954, pp ~~513-516~~. 513-516.

19,456

AEC Tr No 1970
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Also: Ann Tech Sv CS-404
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Scientific - Chemistry

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Quantitative Organic Analysis. XXXI, Microdetermination of Carbon in Organic Substances by Measurement of Electrical Conductivity, using Co_3O_4 as Combustion Catalyst (Preliminary Communication)
by M. Vecera, J. Lakomy, et al.
CZECH, per, Sbornik Chekhoslovatskykh Khimicheskikh Rabot, Vol XXVII, No 4, 1962, pp 1033-1037.
SLA TT 64-16179

M. Vecera

May 67 325,017

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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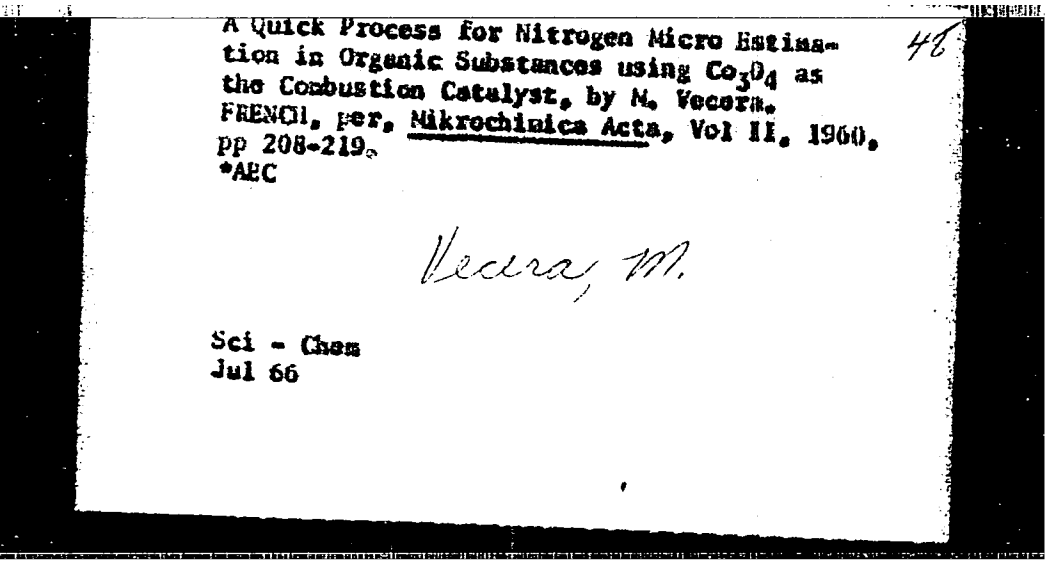

A Quick Process for Nitrogen Micro Estimation in Organic Substances using Co_3O_4 as the Combustion Catalyst, by M. Vecera, FRENCH, per, Mikrochimica Acta, Vol II, 1960, pp 208-219.
*AEC

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Vecera, M.

Sci - Chem
Jul 66

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

Vecera, M[iroslov], Vojtech, F[rantisek] and Sekera, B[edrich].
ORGANIC QUANTITATIVE ANALYSIS. XXIII. ELECTRIC HEATING ELEMENT FOR ELEMENTARY ANALYSIS. [1961] [5]p. 6 refs.
Order from SLA mi$1.80, ph$1.80 61-10627

Trans. of Chem[icke] Listy (Czechoslovakia) 1959, v. 53 [no. 10] p. 1054-1057.

An electric furnace with small time factor of heating and cooling, with good heat transfer into the combustion space and readily calibrated temperature along the combustion zone is described. The individual parts of the combustion furnace are: a ceramic isolation shell of wall thickness 3-5mm, frame of stainless steel, and a heating coil of Kanthal resistance wire of 0.75mm minimum diam. By stretching the coil, different temperatures are attainable. The arrangement is employed for the micro determination of carbon, hydrogen, sulfur, halogen and nitrogen and is also suitable for semi-micro analytical methods. (Author)

61-10627

1. Chemical analysis--Equipment
2. Electric furnaces--Design
I. Vecera, M.
II. Vojtech, F.
III. Sekera, B.
IV. Title: Electric ...

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 12)

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

A Fast Semi-Automatic Micro-Gasvolumetrical Determination of Nitrogen in Organic Substances by Utilizing Co_3O_4 as an Oxidizing Catalyst, by Miroslav Vecera, 17 pp.

GERMAN, per, Mikrochimica Acta, Vol V, 1962, PP 896-912. 9688756

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Sci - Chem
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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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(SF-1848)

Czechoslovak Attempt to Influence Sensitivity of Laboratory Animals to Ornithosis Virus, by J. Strauss, B. Vecerek, 10 pp. OFFICIAL USE ONLY

CZECH, per, Ceskoslovenska Epidemiologie, Mikrobiologie, Imunologie, Vol X, No 2, 1961, pp 92-96.

JPRS 4776
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Sci - Med

Aug 61

APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Contribution to the Method of X-Ray Analysis of Metallurgical Coke, by M. F. Kessler, V. Vecerikova, 14 pp.

GERMAN, per, Brennstoff-Chemie, Vol XL, No 2, 1959, pp 52-55.

SLA 60-10993

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Structural Changes of Black Coal on Carbonization,
by M. Kessler, V. Vecerikova.

CHECH, per, Paliva, Vol XXXVI, No 6, 1956, pp 192-199.

CSIRO-3298

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Aug 59

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Electromotive-Force Studies of the Thermodynamics of Binary Metallic Systems VII. Iron-Antimony Liquid Alloys, by A. A. Vecher, V. A. Geiderikh,' 4 pp.

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Cleaver-Hume Press

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Thermodynamic Properties of Cu-Ni and Fe-Pd
Solid Solutions, by Ya. I. Gerasimov, A. A.
Vecher and V. A. Geiderikh, 4 pp.

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No 5, pp 834-836.
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The Thermodynamics of Formation of the Higher Antimonids of Iron, by V. A. Geyderikh, Ya. I. Gerasimov, A. A. Vecher, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1274-1276.

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The Adsorption Photometric Method for Determining Thiamine (Vitamin B_1), by A. S. Vecher, O. B. Krayanskiy, 14 pp.

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Scientific - Chemistry

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Application of Sinter in Open-Hearth Melting
by N. A. Vecher, A. A. Lebedev, N. D. Kornayev,
3 pp.

RUSSIAN, per, Metallurg, No 6, 1957, pp 17-18.

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Sci - Engr
Aug 58

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Overvoltages in Filled-In Cable Punctures, by Ch. M. Dzhuvarly, G. V. Vechkeizer, 9 pp.

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Morris D. Friedman
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Scientific - Physics CTS 67/Apr 55

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[redacted]

:litary-Historical Tactical Rides, by P. Vechny, 21 pp,
:D 106240).
:CLASSIFIED

:ll translation.

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The Significance for the Economic Utilisation of Nuclear Energy of Factors Arising From the Thermal and Electrical Parts of the Process, by I. Vechvarshy, A. Shevchik.

CZECH, paper P/798, Proceedings of International Conference on Peaceful Uses of Atomic Energy Held at Geneva 8-20 Aug 1955, Vol I.

Internatl Conf -- UN

Sci - Nuclear Physics
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CIA 1-669.9.162

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(NY-4300)

Trends in Product Development of Domestic Heavy-Current Cable and Wire, by Agoston Vecsey, 31 pp.

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JPRS 7604

EEur - Soviet Bloc

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Why Can Ships Break up in the Open Sea? by
G. Mathias Vedoler, 37 pp.

NORWEGIAN, Norwegian Shipping News, 1948,
No 7, pp 9-19; No 8, pp 17-27; No 9, pp 29-39;
No 10, pp 43-51, Goteborg, 1948.

CIA/FDD/Z-121

Scientific - Engineering

13,768

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S-172/60 (DC-3524).

Hydrogen Exchange of Phenol and Its Ethers With Solutions of Potassium Amide in Liquid Deutero-ammonium, by A. I. Shatenshteyn, A. V. Vedenyev, 14 pp.

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JPRS 3375 118,667

Sci - Chem
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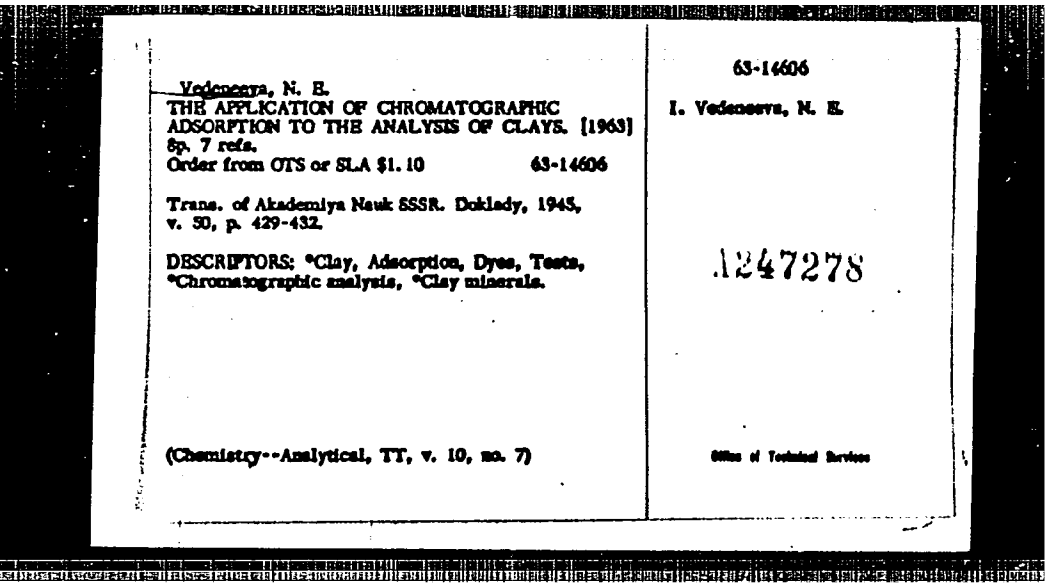

Vedeneeva, N. E.
THE APPLICATION OF CHROMATOGRAPHIC ADSORPTION TO THE ANALYSIS OF CLAYS. [1963] 8p. 7 refs.
Order from OTS or SLA $1.10 63-14606

Trans. of Akademiya Nauk SSSR. Doklady, 1945, v. 50, p. 429-432.

DESCRIPTORS: *Clay, Adsorption, Dyes, Tests, *Chromatographic analysis, *Clay minerals.

(Chemistry--Analytical, TT, v. 10, no. 7)

63-14606

I. Vedeneeva, N. E.

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Office of Technical Services

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3. Heavy Tanks in Offense and Defense, by B. Bretynkov; 13 pp; 4. Repelling Tank Attacks of the Enemy, by N. Vedenyev, 9 pp., UNCLASSIFIED

Full translation.

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ID GSUSA G-591-D (3-4)

USSR
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May 53 CTS

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APPROVED FOR RELEASE: Wednesday, November 14, 2001 CIA-RDP84-00581R00

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Bond Energies, Ionization Potentials and Electron Affinities, by V. I. Vedeneyev and others,
RUSSIAN, bk, 202 pp.
Science News

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The C-H Bond Rupture Energy in Hydrocarbons, by V. I. Vedeneyev, 4 pp.

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Investigation of the Kinetics and Mechanism of the Thermal Decomposition of Isobutylene, by Yu. I. Lyadova, V. I. Vedeneyev, V. V. Voevodsky, 4 pp.

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Study of the Kinetics and Mechanism of the Thermal Decomposition of Isobutylene, by Yu. I. Lisdova, V. I. Vedenayev, V. V. Voevodskiy,

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol XXX CXIV, XX No 6, 1957, pp 1269-1271.

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Mar 60

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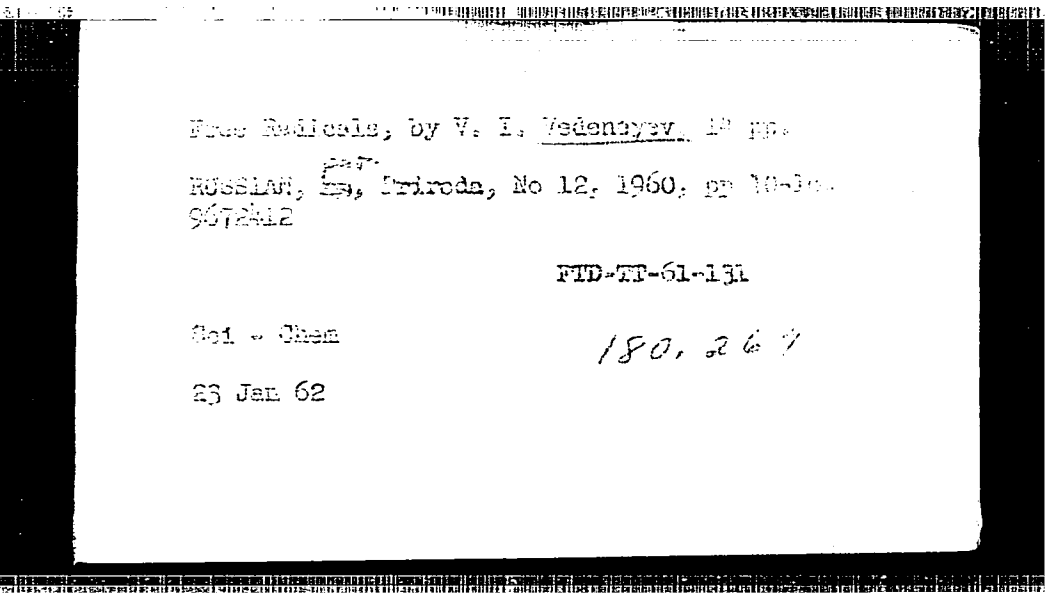

Free Radicals, by V. I. Vedenyyev, 14 pp.

RUSSIAN, [illegible], Priroda, No 12, 1960, pp [illegible].
9672412

FTD-TT-61-131

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23 Jan 62

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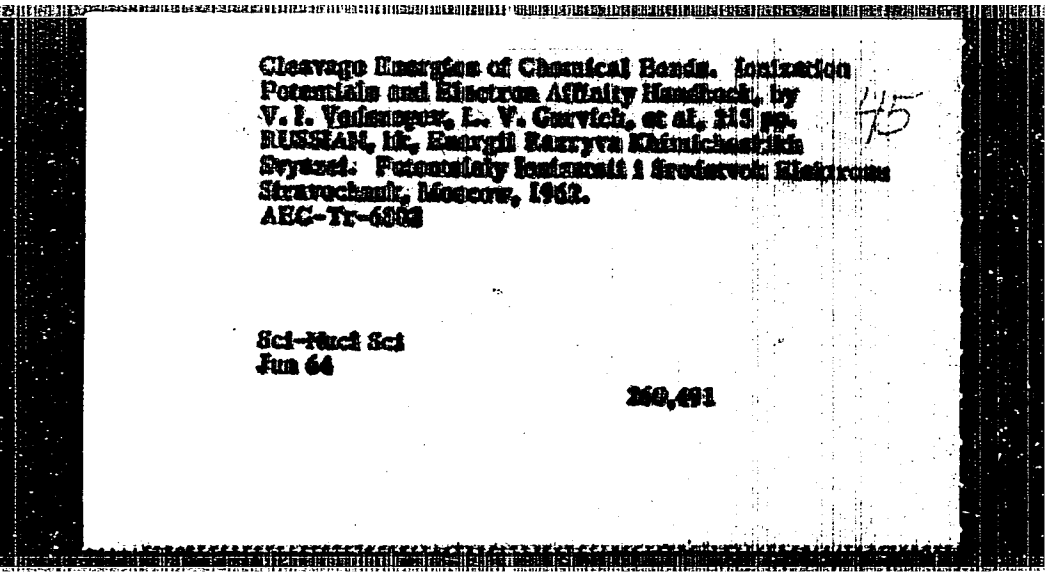

Cleavage Energies of Chemical Bonds. Ionization Potentials and Electron Affinity Handbook, by V. I. Vedeneyev, L. V. Gurvich, et al., 215 pp. RUSSIAN, lit, Energii Razryva Khimicheskikh Svyazei. Potentialy Ionizatsii i Srodstvo k Elektronu Izdvo Akad Nauk SSSR, Moscow, 1962. AEC-Tr-6502

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Jun 64

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A Possible Mechanism of Degenerate Branching in Hydrocarbon Oxidation Reactions, by V. V. Voyevodskiy, V. I. Vedeneyev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 4, 1956, pp 679-682.

Assoc Tech Sv RJ-508

Sci - Chemistry 41, 545

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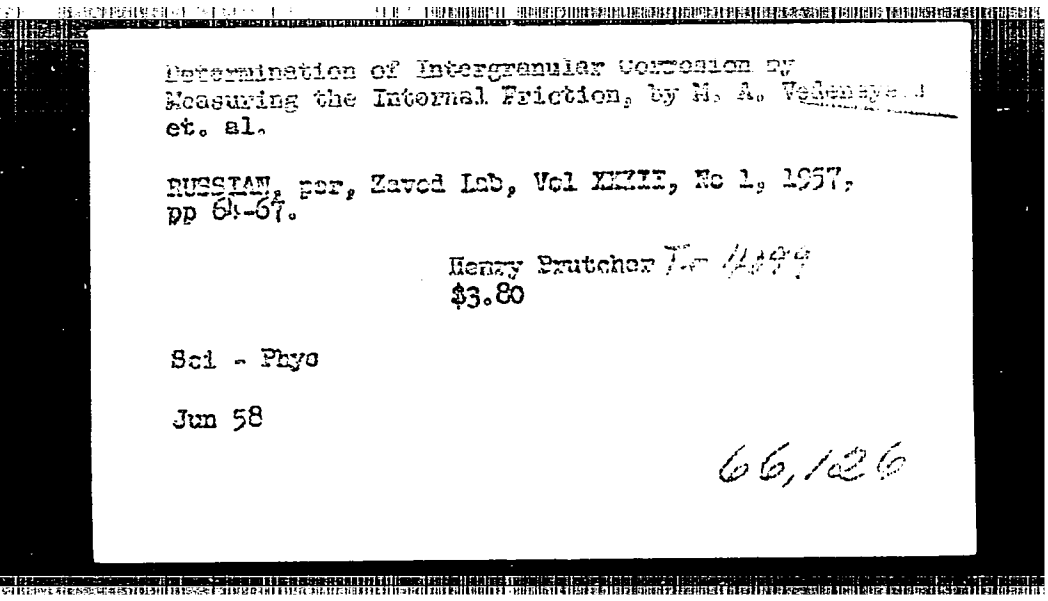

Determination of Intergranular Corrosion by Measuring the Internal Friction, by M. A. Vedeneyev et. al.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 1, 1957, pp 64-67.

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TOMASHOV, N. D.
SIBEL', SHCHERKOVA, G. P.
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Doklady Akad. Nauk SSSR, Vol. 62, 1948, pp. 105-108
2 figures, 1 table, 1900 words.

Mechanism of Corrosion of Copper Steels.

Brutcher Trans, Order No. 2399, $2.95.

A 11173

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Regularities in Disintegration of the Coloring Centers in the Smoky Quartz Crystals, by N. L. Vedeneyeva, L. G. Chentsova, 8 pp.

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CIA R-1205

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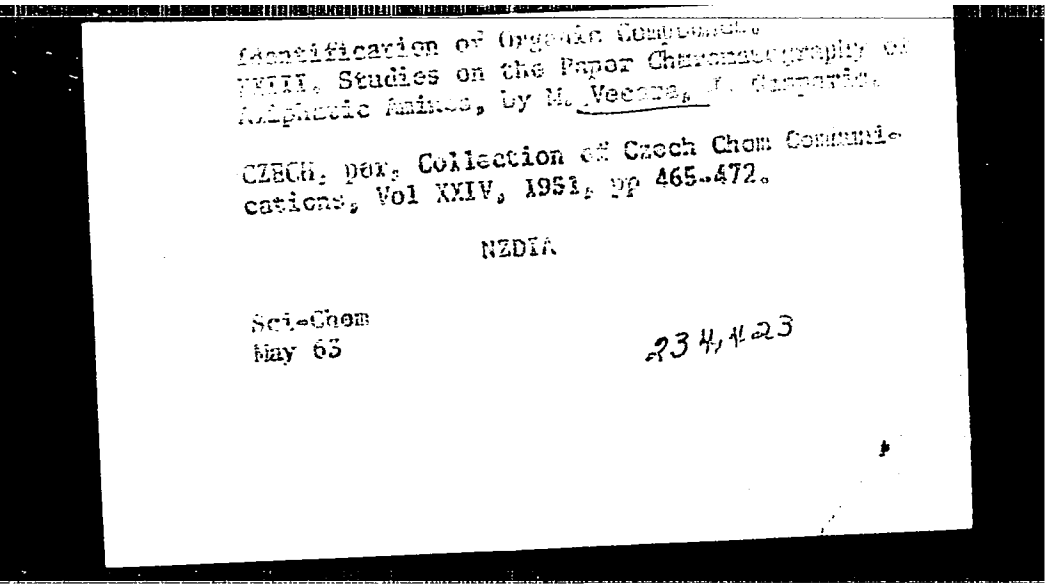

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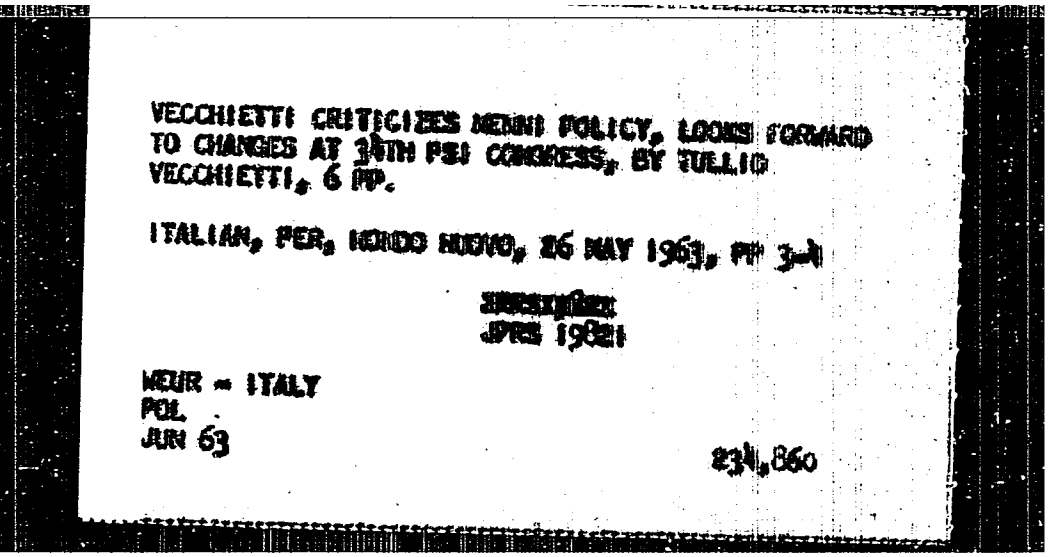

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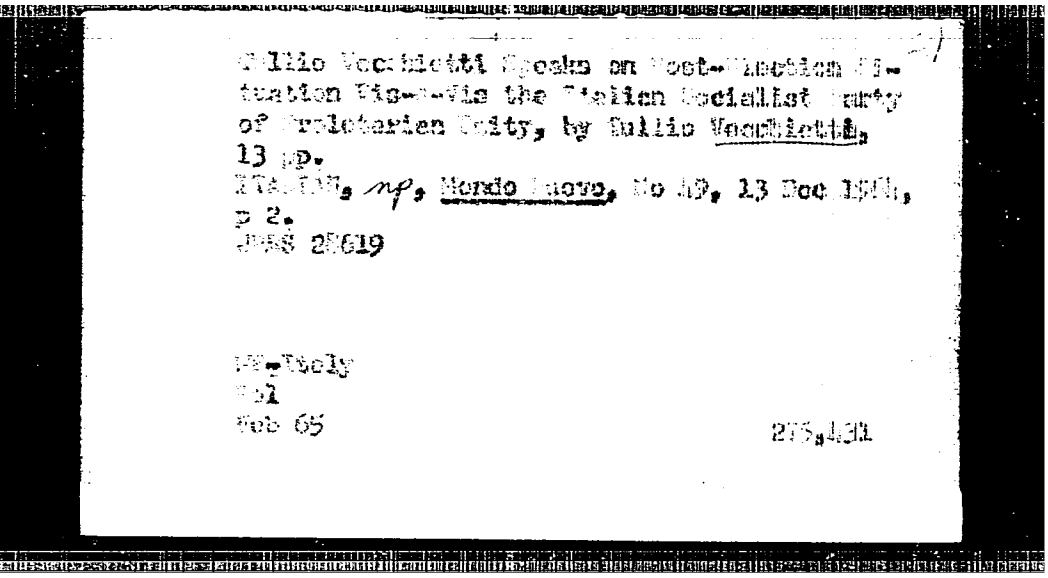

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

THE SOCIALIST RIGHT WANTS TO BRING THE PSI INTO THE SOCIAL DEMOCRATIC CAMP -- IT IS UP TO THE 35TH CONGRESS TO REJECT THIS MOVE, BY TULLIO VECCHIETTI, 11 PP.

ITALIAN, PER, MONDO NUOVO, NO L8, 28 OCT 1962, P 5.

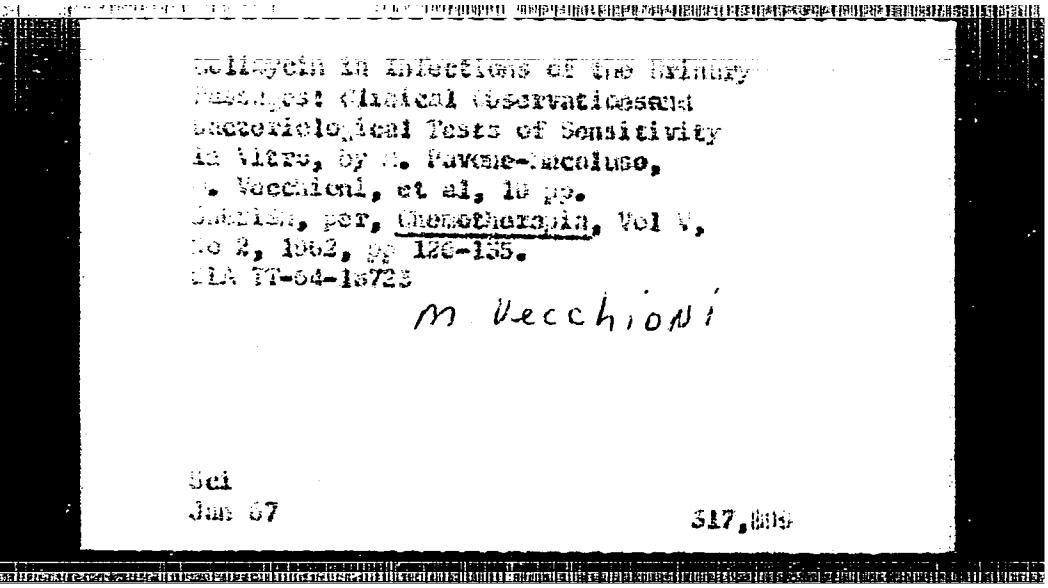
JPRS 16427

WEUR - ITALY
POL
DEC 62

217,133

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9



Colimycin in Infections of the Urinary [illegible]: Clinical Observations and Bacteriological Tests of Sensitivity in Vitro, by M. Pavese-Lucaluso, M. Vecchioni, et al, 10 pp.
Original, per, Chemotherapia, Vol V, No 2, 1962, pp 126-135.
CIA TT-64-16725

M Vecchioni

Sci
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317,[illegible]

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M.
QUANTITATIVE ORGANIC ANALYSIS. XXXII. A SEMIAUTOMATIC, RAPID, MICROGRAVIMETRIC METHOD FOR DETERMINING CARBON IN ORGANIC COMPOUNDS. [1964] [6p] 12refs
Order from SLA $1.10 TT-64-10712

Trans. of Mikrochim[ica] Acta (Austria) 1962 [no. 5] p. 891-895.

(See also TT-63-20981)

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-10712

I. Vecera, M.
II. Title: Semiautomatic ...

282,652

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

TT-65-12043 Field 7C

Vecera, M.; Synek, L.
QUANTITATIVE ORGANIC ANALYSIS. V. AUTOMATIC ELECTRICAL APPARATUS FOR DETERMINING CARBON AND HYDROGEN IN ORGANIC COMPOUNDS. 8p. 23refs.
Order from SLA: $1.10 as TT-65-12043

Trans. of Chemicke Listy (Czechoslovakia) v49 n12 p1891-4 1955.

I. Vecera, M.
II. Synek, L.
III. Title: Automatic ...

MR 624

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M.
QUANTITATIVE ORGANIC ANALYSIS. XXIX. AN AUTOMATIC METHOD FOR THE MICRODETERMINATION OF CARBON, HYDROGEN, AND NITROGEN IN ORGANIC SUBSTANCES. 9 Sep 63, 6p 7refs
Order from SLA $1.10 TT-63-20604

Trans. of Talanta (Gt. Brit.) 1961, v. 8 [no. 6] p. 446-449. (Abstract available)

DESCRIPTORS: *Carbon, *Hydrogen, *Nitrogen, *Organic compounds, Microanalysis, Quantitative analysis.

A method for the automatic determination of carbon, hydrogen, and nitrogen in organic compounds is described. The method involves thermal conductivity measurements and uses Co_3O_4 as combustion catalyst. (Author) (See also 63-20603)
(Chemistry--Analytical, TT, v. 11, no. 3)

TT-63-20604

I. Vecera, M.
II. Title: Automatic...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Quantitative Organic Analysis. XXII. New Method for the Rapid Automatic Combustion of Organic Substances: Micro-determination of Carbon and Hydrogen, by M. Vecera, F. Vajtech, L. Synek, 9p.
CZECH, per, Sbornik Chekhoslovatskykh Khimicheskikh Rabot, Vol 25, No 1, 1960, pp 93-100.
SLA TT-64-30653

M. Vecera

333, 773

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Jul 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M. and Snobl, D.
QUANTITATIVE ORGANIC ANALYSIS. XXV. AN INVESTIGATION OF THE EXTERNAL ABSORPTION OF NITROGEN OXIDES WITH MANGANESE DIOXIDE IN THE DETERMINATION OF CARBON AND HYDROGEN. [1963] [15p] 32refs
Order from SLA $1.60 TT-63-20603

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1960, v. 25, p. 2013-2021. (Abstract available)

DESCRIPTORS: *Hydrogen, *Carbon, *Manganese compounds, Dioxides, *Nitrogen compounds, Oxides, Absorption, Organic compounds, Quantitative analysis, Microanalysis,

It was determined that MnO_2 binds NO_2 with its surface hydroxyl groups, in amounts proportional to its surface area. In accordance with this fact, hydrated $MnO(OH)_2$ gel proved the most suitable for external absorption of
(Chemistry--Analytical, TT, v. 11, no. 3) (over)

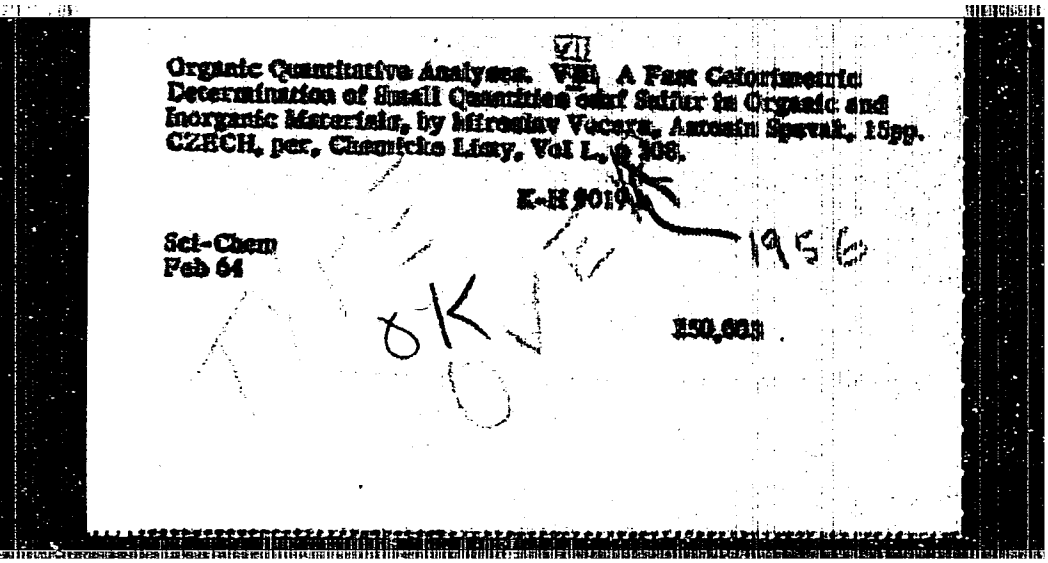
TT-63-20603

I. Vecera, M.
II. Snobl, D.
III. Title: Investigation...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9



VII

Organic Quantitative Analyses. VII. A Fast Colorimetric Determination of Small Quantities of Sulfur in Organic and Inorganic Materials, by Miroslav Vecera, Antonin Spevak, 15pp. CZECH, per, Chemicke Listy, Vol L, p 308.

K-H 9019

Sci-Chem
Feb 64

1956

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M.
CATALYTIC RAPID COMBUSTION IN ORGANIC ELEMENTAL ANALYSIS. 21 June 62 [9]p. 16 refs. Order from SLA $1.10 62-20192

Trans. of Acta Chim[ica] (Hungary) 1961, v. 26, p. 511-518.

DESCRIPTORS: *Organic compounds, *Combustion, Catalysts, Chemical analysis.

The existence of vapor surges with an oxygen deficiency is characteristic of rapid combustion in organic elemental analysis. In a catalyst suitable for continuous operation, reduction and oxidation at the surface must be reversible. A detailed study of various types of catalysts showed that Co_3O_4 was the best of the substances tested for rapid combustion. The flash com-

(Chemistry--Analytical, TT, v. 9, no. 9)

62-20192

I. Vecera, M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M., Snobl, D., and Synek, L.,
QUANTITATIVE ORGANIC ANALYSIS. XXVII. THE KINETICS AND MECHANISM OF THE CATALYTIC RAPID COMBUSTION IN THE DETERMINATION OF HYDROGEN IN ORGANIC COMPOUNDS. 5 Jul 63 [22p] 12refs
Order from SLA $2.60 TT-63-20981

Trans. of Mikrochim[ica] Acta (Austria) 1961, p. 370-389. (Abstract available)

DESCRIPTORS: *Quantitative analysis, Organic materials, *Carbon, *Hydrogen, Combustion, *Catalysis, Reaction kinetics, *Microanalysis, Automation

A systematic study of the kinetics and mechanism of the combustion and rinsing provided the basis for developing an ultrarapid method for the microdetermination of carbon and hydrogen, which will permit reducing the time required for the analysis to several minutes and making the analytical procedure quite universal and completely automatic. (Author) (See also TT-63-10101)

TT-63-20981

I. Title: Combustion analysis
I. Vecera, M.
II. Snobl, D.
III. Synek, L.
IV. Title: Kinetics...

200602

(Chemistry--Analytical, TT, v. 11, no. 11)
Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Colorimetric Determination of Small Quantities of Hydrazobenzene, by M. Vecera, J. Petranek.

ZKK
CZECH, per, Chemicke Listy, Vol XLVIII, 1954, pp 1351-1353.

CSIRO

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Apr 62

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Quantitative Organic Analysis. VIII. Micro-Determination of Sulfur in Organic Compounds. The Formation Mechanism of Silver Sulfate, by M. Vecera, D. Snobl, 11 pp.

RUSSIAN, per, Sbornik Chekhoslovatskhkh Khim Rabot, Vol XXII, 1957, pp 986-993.

SLA 60-14381

Sci
Mar 62
Vol IV, No 2,

188,896

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M.
AUTOMATIC DETERMINATION OF NITROGEN IN ORGANIC SUBSTANCES. 15 Jan 62 [12]p. 14 refs.
Order from SLA $1.60
62-16072

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1961, v. 26, p. 2308-2314.

DESCRIPTORS: *Nitrogen, Determination, Thermal conductivity, Combustion, *Organic compounds, Microchemistry, Automatic.

A new method for automatic nitrogen determination, based on flash ignition of samples in the presence of cobalt (II, III) oxide in a stream of CO_2, has been developed. Nitrogen in the carrier gas is determined by direct measurement of thermal conductivity changes. The standard deviation of the nitrogen determination is s = ± 0.2%. In a second modification of the method, which is also suitable for the analysis of liquid compounds, combustion is carried out in a closed system. (Author)

62-16072

I. Vecera, M.

C222845

(Chemistry, Organic, IT, v. 8, no. (

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M. and Synek, L.
QUANTITATIVE ORGANIC ANALYSIS. XVIII. MICRODETERMINATION OF CARBON AND HYDROGEN, USING COBALTO-COBALTIC OXIDE AS COMBUSTION CATALYST. 1 Nov 62, 16p. 44 refs.
Order from SLA $1.60 63-10102

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1958, v. 23, p. 1202-1211.

DESCRIPTORS: *Quantitative analysis, *Organic compounds, *Microanalysis, *Carbon, *Hydrogen, *Cobalt compounds, *Combustion, Catalysts, *Oxides.

A rapid and simple method for the microdetermination of C & H is described, in which the sample is burned in an oxygen stream in the presence of CO_3O_4. Halogen and sulfur are absorbed by silver, while nitrogen oxides are retained outside the combustion tube by (Chemistry--Analytical, TT, v. 9, no. 10) (over)

63-10102

I. Vecera, M.
II. Synek, L.
III. Title: Microdetermination...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M., Snobl, D., and Synek, L.
A FURTHER CONTRIBUTION TO THE SYSTEMATIC STUDY OF THE FUNDAMENTAL OPERATIONS IN ELEMENTAL MICROANALYSIS. Preliminary Communication; Pt. 24 of Quantitative Organic Analysis. 18 June 62 [6]p. 27 refs.
Order from SLA $ .10 62-18995

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1960, v. 25, p. 281-282.

DESCRIPTORS: *Organic compounds, Catalysts, Combustion, *Quantitative analysis, Microanalysis.

(Chemistry--Analytical, TT, v. 9, no. 8)

62-18995

I. Vecera, M.
II. Snobl, D.
III. Synek, L.
IV. Title: Quantitative. . .

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Microdetermination of Sulfur in Organic Substances, by M. Vecera, 5 pp.

Vecera

CZECH, per, Chem Listy, Vol XLVIII, 1954, pp ~~513-516~~. 513-516.

19,456

AEC Tr No 1970
Assoc Tech Svc
19F4C

Also: Ann Tech Sv CS-404
Ann St CTS B 5 10
(1.47)

Scientific - Chemistry

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Quantitative Organic Analysis. XXXI, Microdetermination of Carbon in Organic Substances by Measurement of Electrical Conductivity, using Co_3O_4 as Combustion Catalyst (Preliminary Communication)
by M. Vecera, J. Lakomy, et al.
CZECH, per, Sbornik Chekhoslovatskykh Khimicheskikh Rabot, Vol XXVII, No 4, 1962, pp 1033-1037.
SLA TT 64-16179

M. Vecera

May 67 325,017

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

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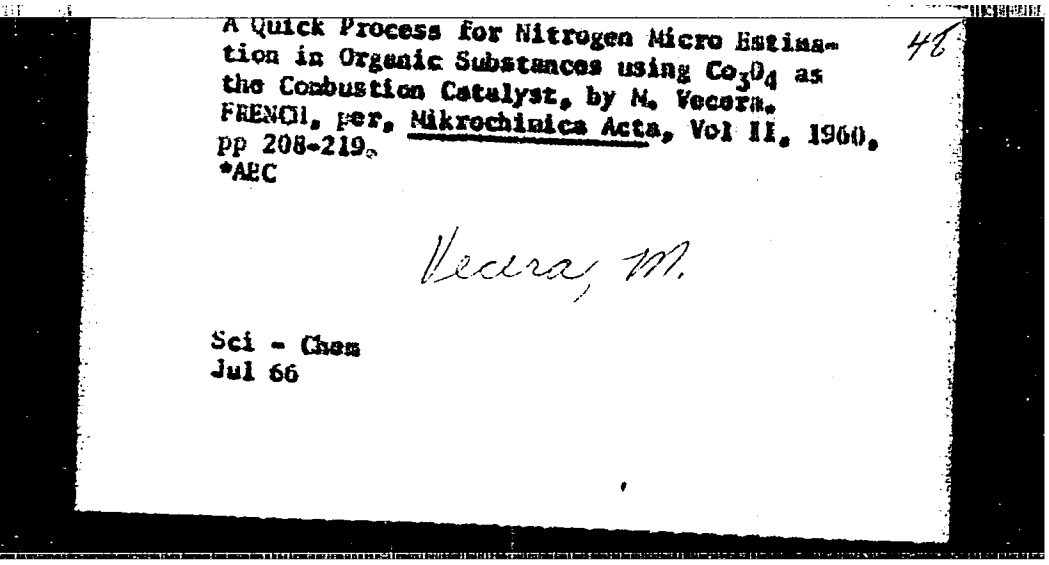

A Quick Process for Nitrogen Micro Estimation in Organic Substances using Co_3O_4 as the Combustion Catalyst, by M. Vecera, FRENCH, per, Mikrochimica Acta, Vol II, 1960, pp 208-219.
*AEC

48

Vecera, M.

Sci - Chem
Jul 66

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Vecera, M[iroslov], Vojtech, F[rantisek] and Sekera, B[edrich].
ORGANIC QUANTITATIVE ANALYSIS. XXIII. ELECTRIC HEATING ELEMENT FOR ELEMENTARY ANALYSIS. [1961] [5]p. 6 refs.
Order from SLA mi$1.80, ph$1.80 61-10627

Trans. of Chem[icke] Listy (Czechoslovakia) 1959, v. 53 [no. 10] p. 1054-1057.

An electric furnace with small time factor of heating and cooling, with good heat transfer into the combustion space and readily calibrated temperature along the combustion zone is described. The individual parts of the combustion furnace are: a ceramic isolation shell of wall thickness 3-5mm, frame of stainless steel, and a heating coil of Kanthal resistance wire of 0.75mm minimum diam. By stretching the coil, different temperatures are attainable. The arrangement is employed for the micro determination of carbon, hydrogen, sulfur, halogen and nitrogen and is also suitable for semi-micro analytical methods. (Author)

61-10627

1. Chemical analysis--Equipment
2. Electric furnaces--Design
I. Vecera, M.
II. Vojtech, F.
III. Sekera, B.
IV. Title: Electric ...

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 12)

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

A Fast Semi-Automatic Micro-Gasvolumetrical Determination of Nitrogen in Organic Substances by Utilizing Co_3O_4 as an Oxidizing Catalyst, by Miroslav Vecera, 17 pp.

GERMAN, per, Mikrochimica Acta, Vol V, 1962, pp 896-912. 9688756

DDC RSIC-74

Sci - Chem
Nov 63

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(SF-1848)

Czechoslovak Attempt to Influence Sensitivity of Laboratory Animals to Ornithosis Virus, by J. Strauss, B. Vecerek, 10 pp. OFFICIAL USE ONLY

CZECH, per, Ceskoslovenska Epidemiologie, Mikrobiologie, Imunologie, Vol X, No 2, 1961, pp 92-96.

JPRS 4776
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Sci - Med

Aug 61

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Contribution to the Method of X-Ray Analysis of Metallurgical Coke, by M. F. Kessler, V. Vecerikova, 14 pp.

GERMAN, per, Brennstoff-Chemie, Vol XL, No 2, 1959, pp 52-55.

SLA 60-10993

Sci
Oct 61

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Structural Changes of Black Coal on Carbonization,
by M. Kessler, V. Vecerikova.

CHECH, per, Paliva, Vol XXXVI, No 6, 1956, pp
192-199.

CSIRO-3298

Sci

Aug 59

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Electromotive-Force Studies of the Thermodynamics of Binary Metallic Systems VII. Iron-Antimony Liquid Alloys, by A. A. Vecher, V. A. Geiderikh, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 7, 1961, pp 1578-1585.

Cleaver-Hume Press

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Apr 62

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

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Thermodynamic Properties of Cu-Ni and Fe-Pd
Solid Solutions, by Ya. I. Gerasimov, A. A.
Vecher and V. A. Geiderikh, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, pp 834-836.
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Dec 59

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The Thermodynamics of Formation of the Higher Antimonids of Iron, by V. A. Geyderikh, Ya. I. Gerasimov, A. A. Vecher, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958, pp 1274-1276.

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The Adsorption Photometric Method for Determining Thiamine (Vitamin B_1), by A. S. Vecher, O. B. Krayanskiy, 14 pp.

RUSSIAN, per, Biokhimiya, Vol XVIII, No 6, 1953, pp 743-747. CIA D 151183

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NIH

Scientific - Chemistry

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CTS 66/Mar 1955

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

Application of Sinter in Open-Hearth Melting
by N. A. Vecher, A. A. Lebedev, N. D. Kornayev,
3 pp.

RUSSIAN, per, Metallurg, No 6, 1957, pp 17-18.

Consultants Bureau

Sci - Engr
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Overvoltages in Filled-In Cable Punctures, by Ch. M. Dzhuvarly, G. V. Vechkeizer, 9 pp.

RUSSIAN, mo per, Elektrichestvo, No 3, 1954, p 58.

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Scientific - Physics CTS 67/Apr 55

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D 106240).
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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

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The Significance for the Economic Utilisation of Nuclear Energy of Factors Arising From the Thermal and Electrical Parts of the Process, by I. Vechvarshy, A. Shevchik.

CZECH, paper P/798, Proceedings of International Conference on Peaceful Uses of Atomic Energy Held at Geneva 8-20 Aug 1955, Vol I.

Internatl Conf -- UN

Sci - Nuclear Physics
Apr 57

CIA 1-669.9.162

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

(NY-4300)

Trends in Product Development of Domestic Heavy-Current Cable and Wire, by Agoston Vecsey, 31 pp.

HUNGARIAN, per, Villamossag, Vol VIII, No 2/3, 1960, pp 73-81.

JPRS 7604

EEur - Soviet Bloc

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Feb 61

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Why Can Ships Break up in the Open Sea? by
G. Mathias Vedoler, 37 pp.

NORWEGIAN, Norwegian Shipping News, 1948,
No 7, pp 9-19; No 8, pp 17-27; No 9, pp 29-39;
No 10, pp 43-51, Goteborg, 1948.

CIA/FDD/Z-121

Scientific - Engineering

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

S-172/60 (DC-3524).

Hydrogen Exchange of Phenol and Its Ethers With Solutions of Potassium Amide in Liquid Deutero-ammonium, by A. I. Shatenshteyn, A. V. Vedenyev, 14 pp.

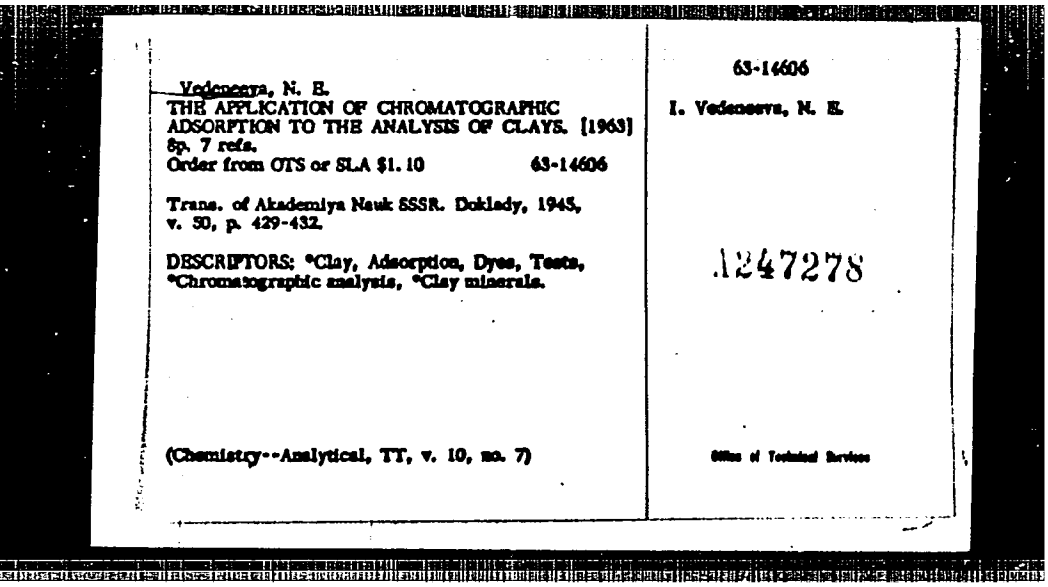
RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10, 1958, pp 2644-2652.

JPRS 3375 118,667

Sci - Chem
Jun 60

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9



Vedeneeva, N. E.
THE APPLICATION OF CHROMATOGRAPHIC ADSORPTION TO THE ANALYSIS OF CLAYS. [1963] 8p. 7 refs.
Order from OTS or SLA $1.10 63-14606

Trans. of Akademiya Nauk SSSR. Doklady, 1945, v. 50, p. 429-432.

DESCRIPTORS: *Clay, Adsorption, Dyes, Tests, *Chromatographic analysis, *Clay minerals.

(Chemistry--Analytical, TT, v. 10, no. 7)

63-14606

I. Vedeneeva, N. E.

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000200560042-9

3. Heavy Tanks in Offense and Defense, by B. Bretynkov; 13 pp; 4. Repelling Tank Attacks of the Enemy, by N. Vedenyev, 9 pp., UNCLASSIFIED

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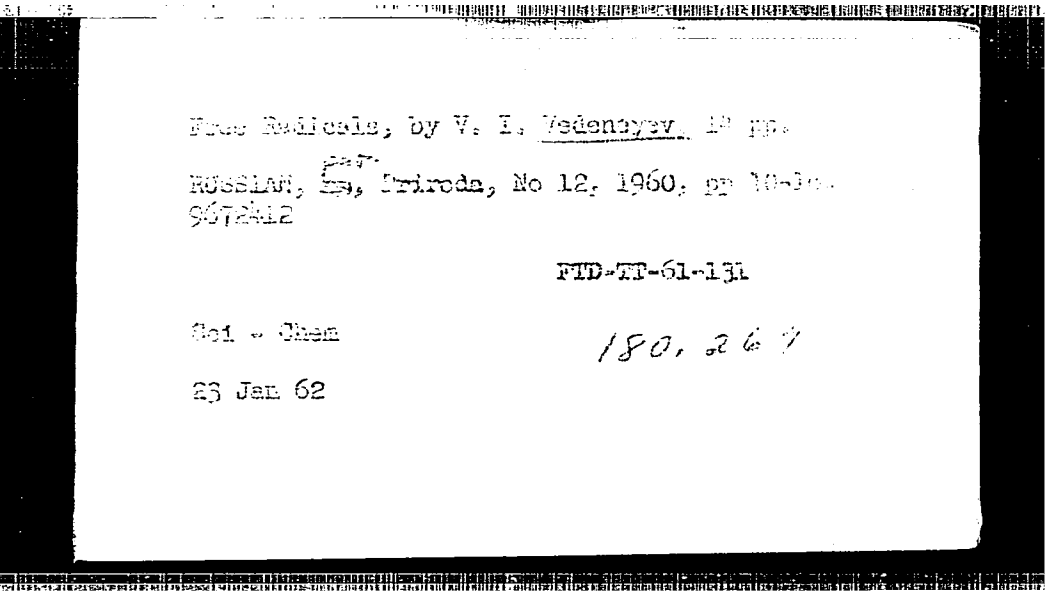

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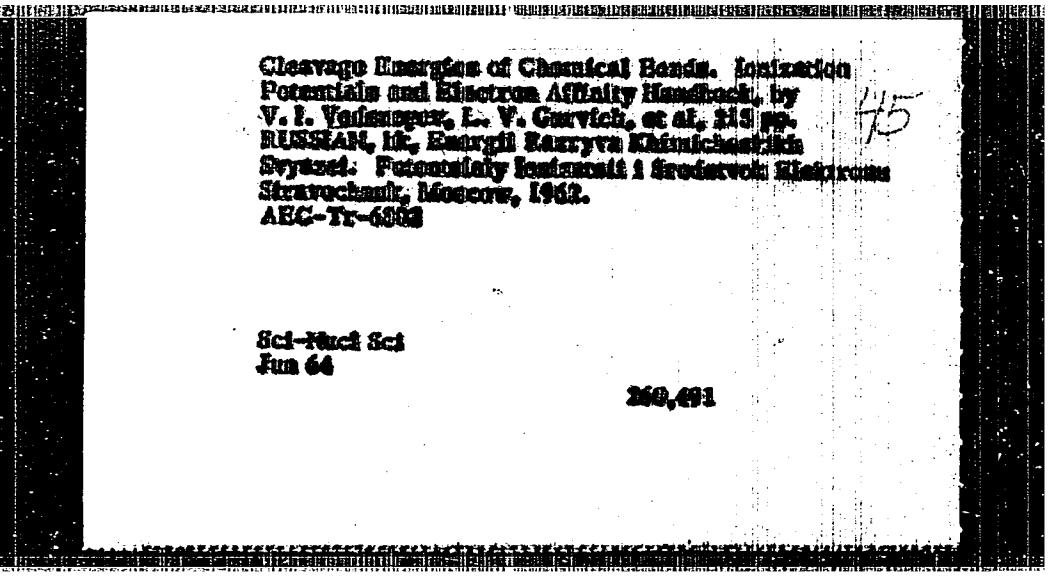

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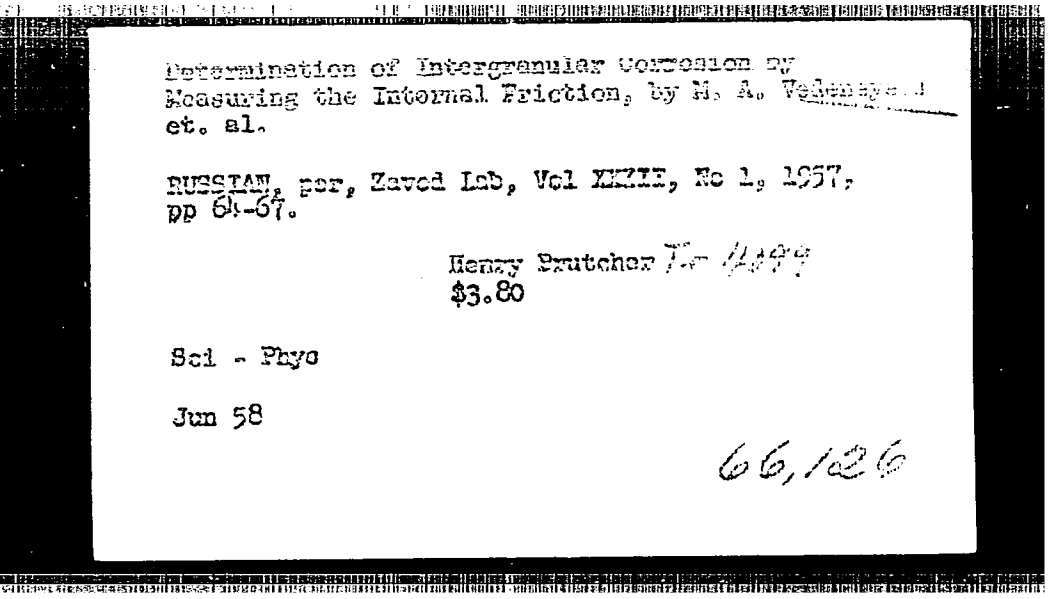

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